

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings of claims in the application:

Listing of Claims:

1 1. (Currently Amended): A device for measuring at least one of the flow
2 velocity and[/or] the volumetric throughput of a fluid by means of ultrasound, the device
3 comprising [having] at least two ultrasound producing or ultrasound receiving elements [(22)]
4 arranged on an outside of a wall [(14)] of a fluid pipeline [(12)] forming a measurement housing,
5 wherein [characterized in that] a portion [(32)] of the wall [(14)] forms an ultrasound emitting or
6 receiving membrane [(30)] of an ultrasonic transducer [(16)], and the portion of the wall [portion
7 (32)] forming the membrane [(30)] is dimensionally adapted to the ultrasonic transducer [(16)].

1 2. (Currently Amended): A device according to claim 1, wherein
2 [characterized in that] the ultrasonic transducer [(16)] is of a lengthwise oscillating type and a
3 waveguide [(26)] is arranged between the ultrasound producing or receiving element [(22)] and
4 the membrane [(30)].

1 3. (Currently Amended): A device according to claim 2, wherein
2 [characterized in that] a contact region [(44)] between the waveguide [(26)] and the portion of
3 the wall [portion (32)] has a form-fitting configuration.

1 4. (Currently Amended): A device according to claim 3, wherein
2 [characterized in that] the contact region [(44)] between the waveguide [(16)] and the portion of
3 the wall [(32)] has a spherical shape.

1 5. (Currently Amended): A device according to claim 1, wherein
2 [characterized in that] the portion of the wall [portion (32)] is thinner than the remainder of the
3 wall [(14)].

1 6. (Currently Amended): A device according to claim 1, wherein
2 [characterized in that] the ultrasonic transducer [(16)] extends at least partly into the wall [(14)].

1 7. (Currently Amended): A device according to claim 1, wherein
2 [characterized in that] a cover [(36)] covers the ultrasonic transducer [(16)] extending into the
3 wall [(14)].

1 8. (Currently Amended): A device according to claim 1, further comprising
2 [characterized by] a spring [(40)] biasing the ultrasonic transducer [(16)] against the portion of
3 the wall [(32)] forming the membrane [(30)].

1 9. (Currently Amended): A device according to claim 1, wherein
2 [characterized in that] the spring [(40)] is propped against the cover [(36)].

1 10. (Currently Amended): A device according to claim 1, wherein
2 [characterized in that] the ultrasonic transducer is arranged so that a measurement pathway lies
3 outside a diameter of the pipe.